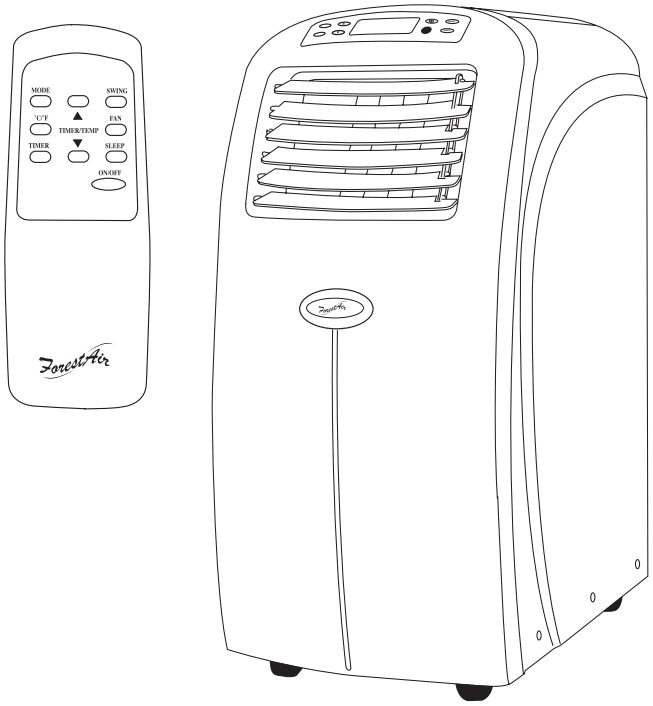
ForestAir

Before using this air conditioner, please read the following instructions carefully and keep this manual along with your proof of purchase in a safe place for future reference.

OWNER'S MANUAL
4-IN-1 PORTABLE EVAPORATIVE AIR CONDITIONER AND HEAT PUMP



MODEL : 13-04543 (KY-36)

sunrise Tradex Corp.

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WARNING

Before using this air conditioner, please read this owner's manual carefully. This manual is not a contract and should be used as a reference guide only. We reserve the right to make technical changes at all times without prior notice.

USE

Thank you for purchasing the Forest Air 14,000 BTU 4-in-1 Portable Evaporative Air Conditioner and Heat Pump. This unit is designed to improve indoor living and working comfort by providing cooling, dehumidifying, heating, and ventilation with minimal installation. This multifunctional unit operates as an air conditioner, dehumidifier, heater, and fan. Unlike traditional portable units, there is no tank to empty. The condensate water is evaporated and drained through the exhaust hose used also for exhausting the hot air. When operating as an air conditioner, this unit is designed for spot cooling or cooling a room no larger than 51m^2 (550 sq. ft.) with a standard 2.44 m. (8') ceiling height. When using this appliance, always take basic safety precautions.

When the indoor temperature is below 16°C (61°F) and above 31°C (88°F), other air conditioning and/or heating systems are recommended.

SAFETY NOTES

1. Do not plug the unit in a damaged electrical receptacle.
2. Ensure that removable covers, hoses and other accessories are correctly fitted before turning on the unit.
3. Before unplugging the unit, always turn it off.
4. The unit must be connected to a grounded power supply properly rated. For your safety, this unit is grounded through the power cord plug when connected to a grounded wall outlet. Never use an adapter plug or extension cord.
5. Do not install or use the unit in the following places :
   - an area with possible gas leakage or in an explosive atmosphere ;
   - near a bath, shower enclosure, swimming pool, or any other steamy and wet areas ;
   - in a greenhouse.
6. Do not apply insecticides or any other flammable products on the unit.
7. Do not operate with wet hands or spray water or other liquid on the unit, nor immerse the appliance.
8. Do not start or stop the unit by plugging in or pulling out the power cord.
9. This unit is not intended for the use of children and close supervision is necessary when it is operating near children.
10. Never insert fingers, foreign objects, or anything to obstruct the air inlet and outlet grills. Always warn children.
11. Do not cover the appliance.
12. Do not expose skin or eyes directly to cool air over a long period of time.
13. If an abnormal odour or smoke comes out of the unit, immediately unplug the unit and contact SUNRISE TRADEX Customer Service (see page 15).
14. When opening the filter cover, do not touch the internal metal parts of the unit.
15. Always turn the unit off and unplug it before cleaning.
16. Always check the power cord for signs of damage before use. If the power cord is damaged, contact SUNRISE TRADEX Customer Service (see page 15).
17. Do not place a plant or allow a pet to be exposed directly to the unit cool air flow.
18. Do not put any combustion appliance in the direct path of the unit airflow ; it could affect the combustion efficiency.
19. Do not sit on the unit or place anything on the unit.
20. Before storing the unit in a clean and dry area, drain the water and clean the filter.

LCDI POWER CORD AND PLUG

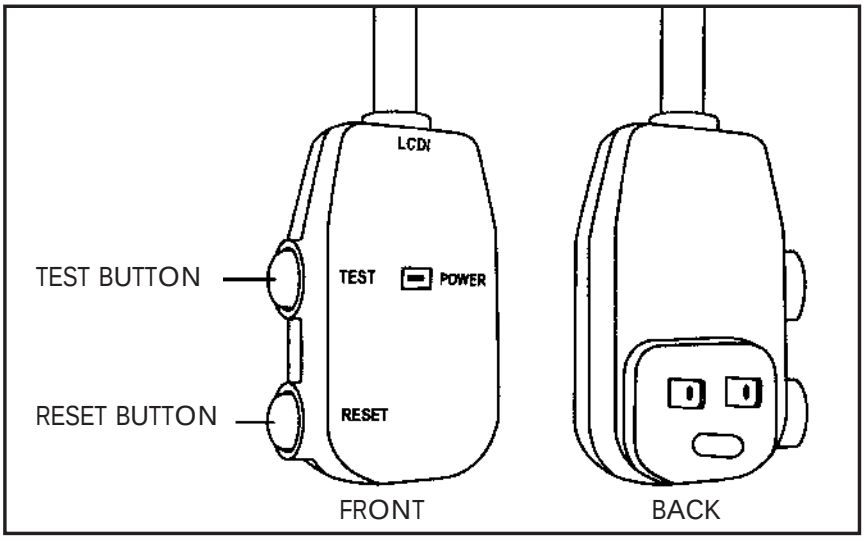
This air conditioner is equipped with a LCDI (Leakage Current Detection and Interruption) power cord and plug. This cord consists of a shielded flexible cord with no termination on the load side, and a LCDI attachment plug on the line side.

The LCDI power cord and plug will circuit trip the electrical power source if the nominal current leakage between the cord shield and either load conductor exceeds a predetermined value. The cord will remain out of power until the device is manually reset. This is intended to protect against electric shock and to reduce the risk of a fire in the power cord or combustible materials nearby. The cord shield is not grounded and must be considered a shock hazard if exposed. The cord shield must not be connected to ground or to any exposed metal.

The test and reset buttons on the LCDI plug are used to check if the plug is functioning properly. To test :

1. Plug the power cord into a wall receptacle. The power pilot light should be ON.
2. Press on the TEST button; circuit should trip, cutting off power to the air conditioner ; pilot light is OFF.
3. Press on the RESET button to restore power.

If a TEST is performed and the pilot light remains ON, a current leakage has been detected. Do not use the air conditioner and/or attempt to reset the LCDI plug. Immediately contact SUNRISE TRADEX Customer Service for technical support (see page 15).

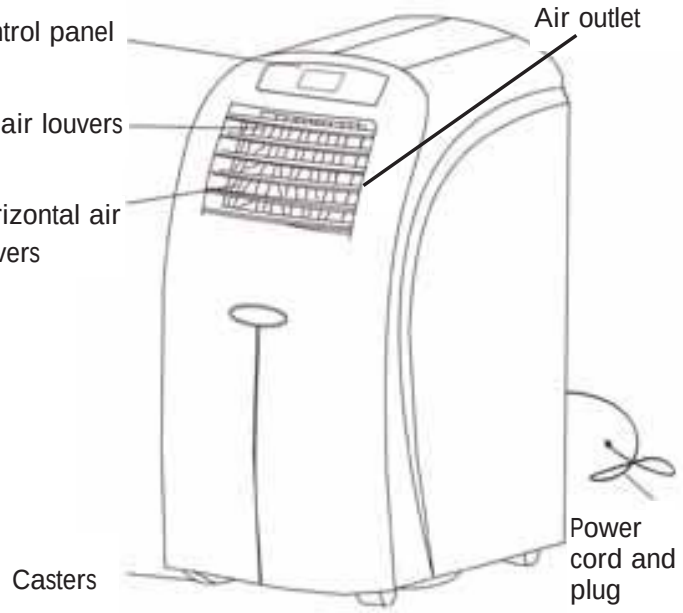


WARNING : ⚠

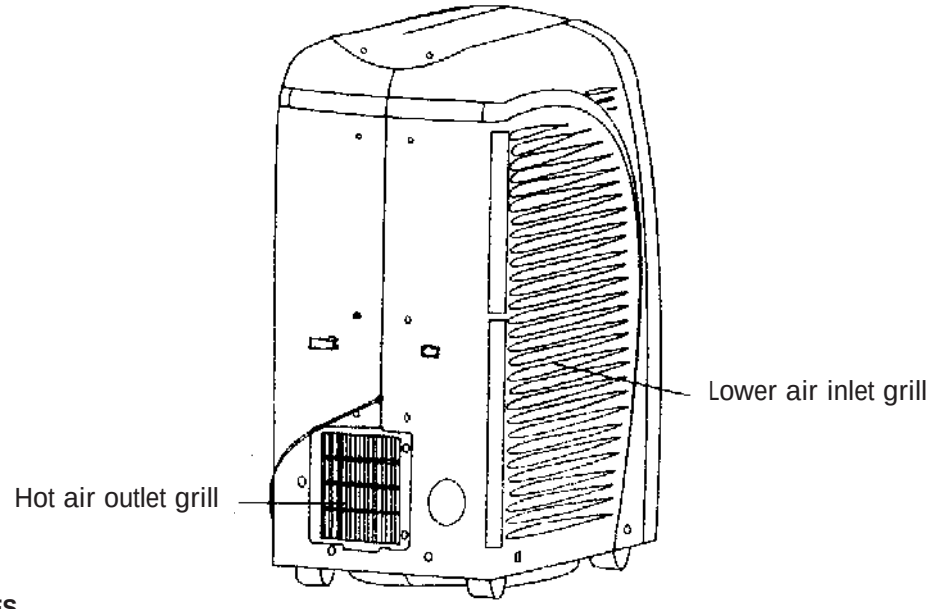
1. DO NOT PRESS the TEST button while the air conditioner is operating.
2. The TEST and RESET buttons should not be used as ON and OFF switches.
3. The cord and the plug are not intended to offer protection to externally connected loads or supply circuits.
4. The LCDI cord and plug are intended for indoor use only.

UNIT DIAGRAM

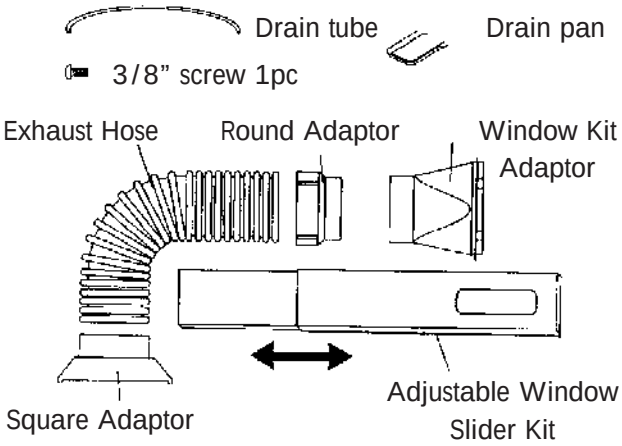
FRONT



BACK



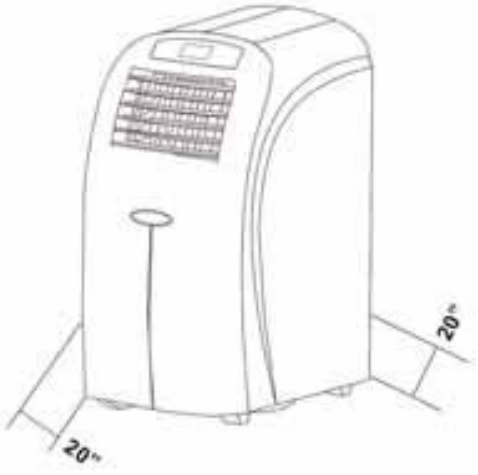
ACCESSORIES



INSTALLATION

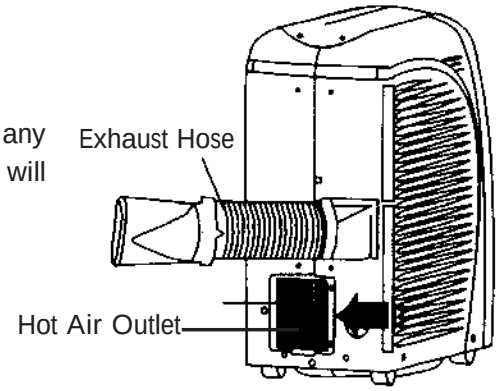
CHOOSING THE LOCATION

Place the unit on a level surface in a cleared out area where the air outlets cannot be obstructed.
For a maximum efficiency, keep a clearance of at least 50 cm (20") front and rear of the unit.

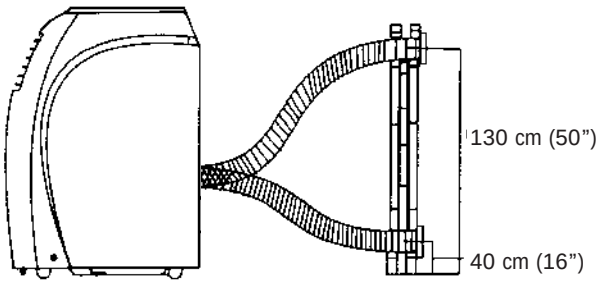


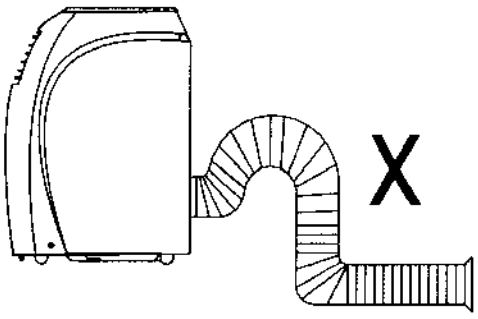
MOUNTING THE EXHAUST HOSE

Slide the square end of the exhaust hose over the hot air outlet on the back of the unit.
The exhaust hose should be kept as short and as straight as possible. Make sure to eliminate any bending or kinking in the exhaust hose, as this will trap in hot air.



The hot air can be vented through the wall or out of a window. If you choose a wall mount exhaust installation, the height of the hole should be
40 to 130 cm (16" to 50") from floor.

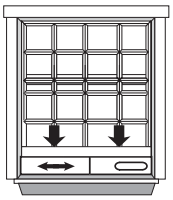


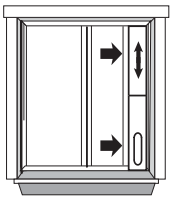


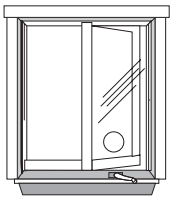
INSTALLATION

WINDOW KIT INSTALLATION

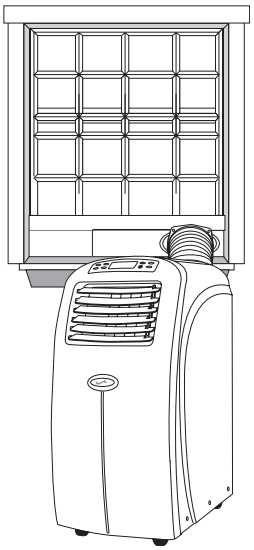
Casement window :
It is recommended to replace the screen with a clear plexiglass panel (1/4'') fitted to the size of your window screen. Cut a hole to the same size as the end of the exhaust window adaptor. Correctly fit on the adaptor.


HUNG WINDOW


SLIDING WINDOW


CASEMENT WINDOW

Sliding windows :
Install the window slider kit vertically or horizontally within the inside frame. If necessary, screw the slider kit on the frame. Close the window onto the window kit to form a tight seal. Then attach the exhaust hose adaptor to the window slider kit; the adaptor tabs will lock into place the adaptor to the window kit.



Make sure to correctly install and insulate the window slider kit. It must perfectly fit into the window. The length can be adjusted from 85 to 123 cm (33 1/2" to 48 3/8"). The two pieces are also easy to cut and slide well into each other. Tape the edge around the slider kit to stop insect or bug intrusion (tape not included).

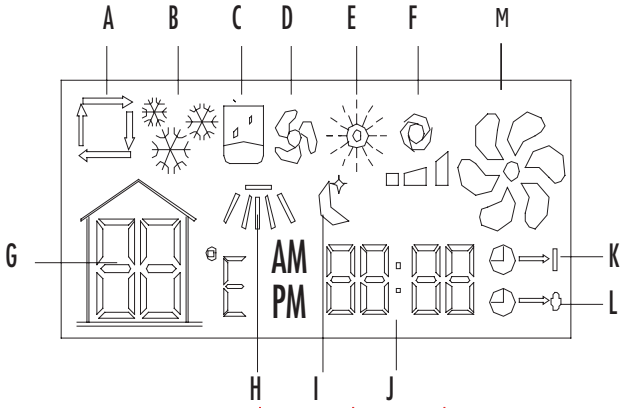
NOTE : Using the window slider kit may make it difficult to correctly close and/or lock the window. Additional safety precautions should be considered.

CONTROL PANEL AND LCD DISPLAY

⏻	Press this button to turn the unit on or off.
MODE	Press this button to select one of the following modes : auto, cooling, dehumidifying, fan or heating.
TIMER	Turns the timer on or off.
▼	Increases room temperature or the hours when the timer is on.
▲	Decreases room temperature or the hours when the timer is on.
SWING	Turns the vertical oscillation on or off.
FAN SPEED	In cooling, heating, fan or auto mode, press this button to set the fan speed. In dehumidifying mode, the fan speed cannot be adjusted.
	Fan speed display : LOW, MEDIUM or HIGH. In dehumidifying mode, this button cannot be used.

LCD DISPLAY

A. Auto mode
B. Cooling mode
C. Dehumidifying mode
D. Fan mode
E. Heating mode
F. Fan speed (high, medium, low)
G. Shows temperature
H. Swing mode
I. Sleep mode
J. Clock and time
K. Timer on
L. Timer off
M. Compressor is on.



UNIT OPERATION

Plug the power cord into a properly rated grounded outlet. Do not connect the unit to an outlet that is being used for other electrical appliances. The unit will beep after two seconds, then press the Power button to begin operation.

COOLING

1. Press the MODE button and set until the COOLING icon lights up.
2. Press the or button to set room temperature - 16 to 31°C (61 to 88°F).
3. Press FAN SPEED to set fan speed. The FAN/SPEED icon lights up.
4. Press the SWING button to activate the vertical oscillation ; the OSCILLATION icon will light up.

- It is important to install the exhaust hoses when the unit is in COOLING mode.
- For maximum cooling efficiency, draw the curtains or blinds if the room is exposed to direct sunlight.
- Do not place near a heat source.

DEHUMIDIFYING

1. Press the MODE button and set until the DEHUMIDIFYING icon lights up.

- It is important to install the exhaust hoses when the unit is in DEHUMIDIFYING mode.
- During dehumidification, the fan runs at low speed and it cannot be changed.
- Make sure that the drain pan is properly installed under the unit.
- The unit will not operate if the room temperature is lower than 16°C (61°F).
- For maximum dehumidifying efficiency, keep windows and doors closed.

HEATING

1. Press the MODE button and set until the HEATING icon lights up.
2. Press the or button to set room temperature - 16 to 31°C (61 to 88°F).
3. Press the FAN SPEED button to set fan speed - the FAN/SPEED icon lights up. it is recommend to set the speed at LOW.
4. Press the SWING button to activate the vertical oscillation ; the OSCILLATION icon will light up.

- In HEATING mode, exhaust hoses are inoperative.

FAN

1. Press the MODE button and set until the FAN icon lights up.
2. Press FAN SPEED to set the fan speed - the FAN/SPEED icon lights up.
3. Press the SWING button to activate the vertical oscillation ; the OSCILLATION icon will light up.

- In FAN mode, exhaust hoses are inoperative.

UNIT OPERATION

SETTING THE TIMER AM PM 88:88

When the unit is operating, the timer can be used to set an automatic shut off time. If the unit is off but still plugged, the timer can be used to set an automatic start time. If the timer button is not pressed, the unit will run continuously.

AUTOMATIC STARTING :

1. Press the TIMER (TIMER) button until the TIMER ON icon flashes on.

2. Press the (▲) or (▼) buttons to set the time (1-24 hours) for the unit to turn on.

AUTOMATIC SHUT OFF :

1. Press the TIMER (TIMER) button until the TIMER OFF icon flashes on.

2. Press the (▲) or (▼) buttons to set the time (1-24 hours) for the unit to turn off. The light will flah for 3 seconds showing that the timer has been programmed successfully.

AUTO MODE

This self-adjusting feature allows the unit to run in various modes as per the following :

3 in HEATING mode when the room temperature is below 20°C (68°F) ;

3 in DEHUMIDIFYING mode when the room temperature is betwwen 20 - 27°C (68 - 80°F) ;

3 in COOLING mode when the room temperature is above 27°C (80°F).

1. Press the MODE (MODE) button and set until the AUTO icon lights up.

2. Press the FAN SPEED (FAN SPEED) button to set the fan speed.

- It is important to install the exhaust hoses when the unit is in AUTO mode.
- The TIMER may be used in AUTO mode.

SLEEP MODE

***THIS MODE CAN BE PROGRAMMED ONLY FROM THE REMOTE CONTROL.**

1. Unit must be running when using this mode.

2. On the remote control, press on the SLEEP button till the SLEEP icon lights up. The fan runs at LOW speed.

3. When in COOLING mode, the temperature will increase 1° per hour during the first two hours. Then, the temperature will return to the originally set temperature.

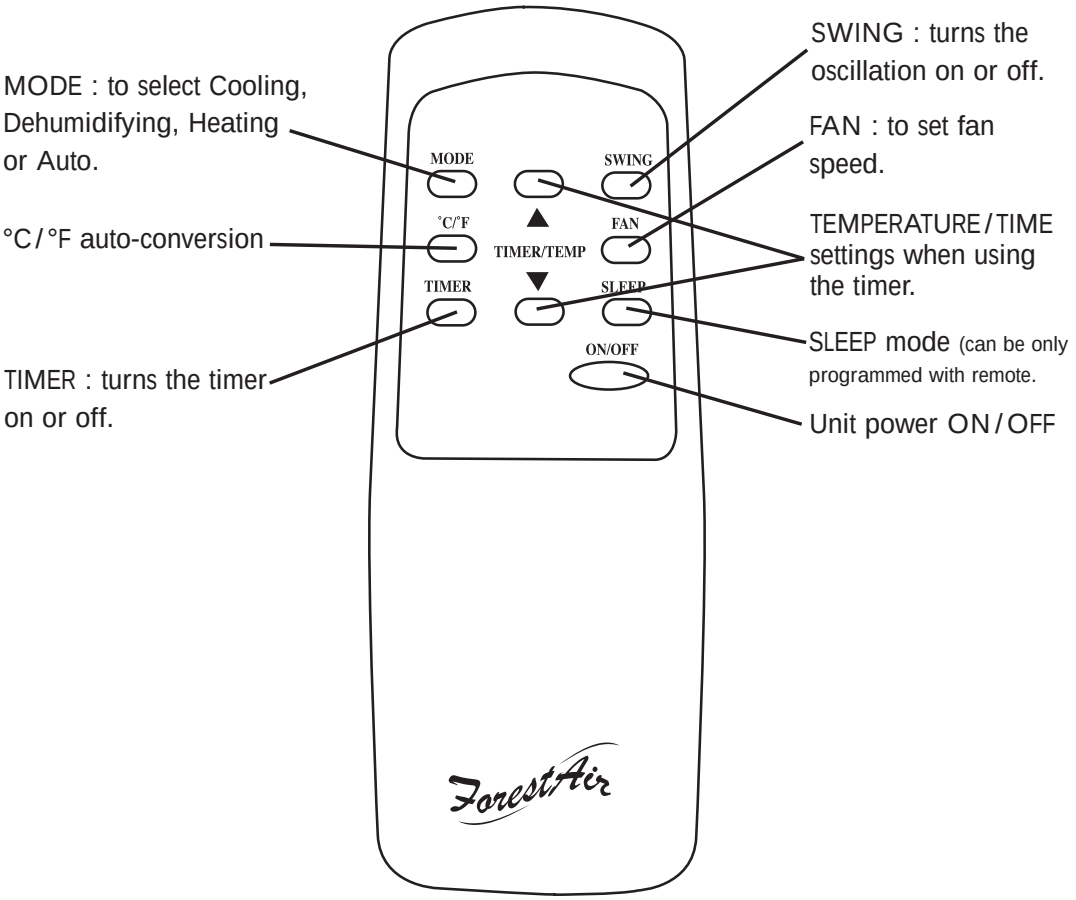
4. When in HEATING mode, the temperature will decrease 1° per hour during the first two hours. Then, the temperature will stay 2° lower than the originally set temperature for 6 hours. Then, the temperature will return to originally set temperature.

5. In DEHUMIDIFYING mode, the temperature will not change.

IMPORTANT :

If the unit is turned off while operating in Cooling, Dehumidifying, Heating or Auto mode, upon switching it back on, allow a 3 minute delay before normal operation resumes. This delay device is to protect and prolong the life of the compressor.

REMOTE CONTROL



*Original product may differ from picture or drawing.

REMOTE CONTROL OPERATION

The remote control provided with the unit can be used to operate the portable air conditioner & heater. Before using it, do not forget to correctly insert the 2 AAA batteries included with your remote control.

The remote control can be used to do all the operations that can be programmed from the unit control panel, except for the SLEEP mode which can be programmed only with the remote.

The LCD display on the remote (some models) can show either Celsius or Fahrenheit. Press the + and - keys simultaneously to change the display from Celsius to Fahrenheit and vice versa.

NOTE : It may be necessary to press the ON/OFF button to turn the remote control on before operating the portable air conditioner with the remote control. When the remote control is on, the LCD display (some models) on the remote will show the set temperature.

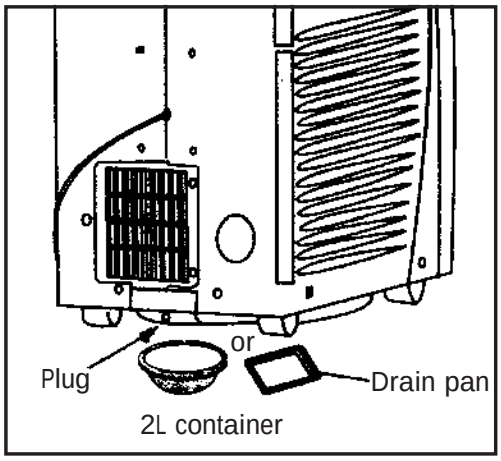
WATER DRAINAGE

When the unit is in cooling mode, the air humidity is converted in water used to cool down the unit. When the unit is used in extremely humid environment, exceeding water will be drained into a pan located at the bottom of the unit. When the water pan is full, the compressor will stop but the fan will continue to run.

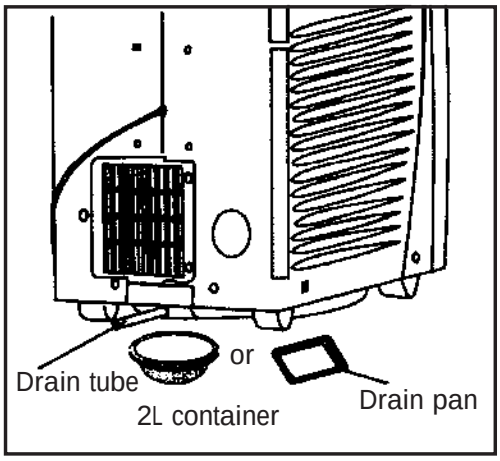
When the water pan is full, the unit will display "FULL" on the control panel. To resume operation, empty the water pan as per the following:

1. Turn the unit off. Do not move the unit when the water pan is full.
2. Place a 2L container (or the drain pan) under the drainage port at the back of the unit.
3. Remove the rubber plug from the drainage port. The condensate water will drain out automatically. When the 2L container (or the drain pan) is full, put the rubber plug back into the drainage port to stop the water from draining out. Empty the drain container or the pan. Repeat until all the water is completely drained out.
4. Once the water container or pan is empty, replace the rubber plug into the drain hole firmly. To prevent overflow, do not allow the water to drip continuously in the drain pan.

DRAINING INTO THE DRAIN PAN



CONTINUOUS DRAINAGE



IN HEATING MODE, USE THE DRAIN TUBE TO EMPTY THE WATER PAN:

1. Remove the rubber plug and keep for future use.
2. Connect the drain tube into the drain hole. Place the drain pan at the end of the drain tube; water will automatically drain out during operation.

• Make sure that the height of the drain tube end is not more than 40 mm (2") from the floor during heating operation. If it is higher, the water cannot efficiently drain out and the unit may stop running.

MAINTENANCE

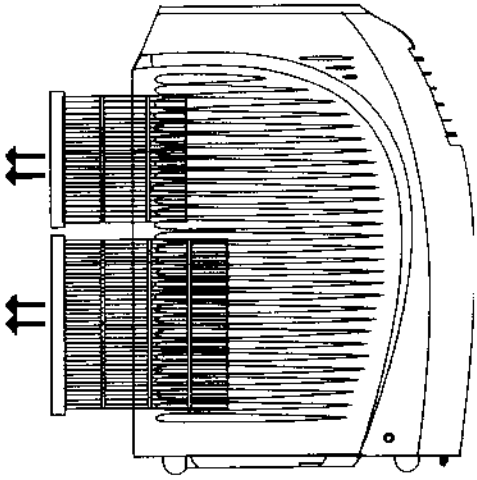
Always turn off and unplug the unit before cleaning to avoid electrical shock.

CLEANING THE HOUSING

• Wipe the surface of the unit with a soft damp cloth. Cleaning the unit with gasoline, paint thinner, chemical products or abrasive detergent could damage it. Use mild soap.
• Do not clean the air conditiioner directly under a faucet or with a garden hose - its electrical components could be damaged and cause electric shocks.
• Avoid direct exposure to sunlight as this may affect the finish colour.

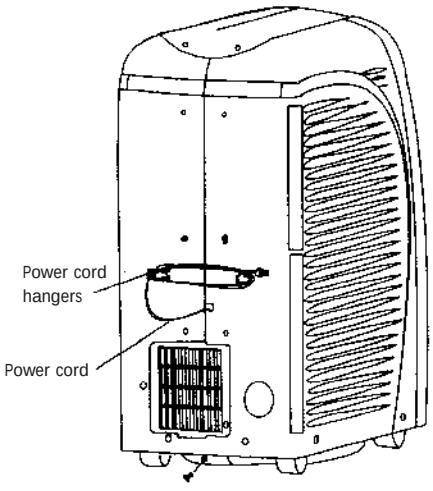
CLEANING THE FILTER

• Slide the filters out from the side of the unit.
• Immerse the filters gently in lukewarm water and a mild detergent. Rinse thoroughly, let it dry completely and put the filters back.
• For maximum efficiency of the air conditioner, clean the air filters every two weeks, or more frequently if there are animals around.



STORAGE

• Turn the unit off and unplug.
• Drain all condensate water from the water container.
• Turn the unit to fan mode for a couple of hours to completely dry out the inside.
• Clean the filter.
• Wind the power cord to the hangers.
• Always store the unit upright in a clean and dry aera. It is recommended to store the unit in its original packing carton.



NOTE : If the unit is not used on a regular basis, it is recommended to turn it on once in a while to keep the compressor in good working condition.

TROUBLESHOOTING

Before getting service, please check the following::

PROBLEM	POSSIBLE CAUSE	SOLUTION
Unit does not operate or only runs in fan mode	Is the unit plugged in?	Securely plug the power cord into the wall outlet.
	Is the main power supply on?	Re-establish the main power supply.
	Is the water container "FULL" indicator light on?	Empty the water container.
	Is the timer on?	Change timer settings.
Air cooling is not efficient.	Is the air inlet or outlet blocked?	Clear out the air inlet and outlet.
	Is there any other heat source in the room?	Close or move the heat source.
	Are the air filters dirty?	Clean the air filters.
	Is the temperature setting suitable?	Change the temperature setting.
	Is the fan speed set at low?	Increase the fan speed.
Unit is noisy or vibrates.	Is the air conditioner correctly positioned on a level surface.	Place the unit on a flat surface and/or level it.
The unit starts and stops frequently.	Is the power source voltage properly rated?	Modify power source.
	Is the exhaust hose correctly positioned?	Replace the exhaust hose and make sure it is as straight as possible.

ERROR MESSAGES

Diagnostic system indicators will light on if any of the following failures occur. The unit may require simple maintenance or repair by a qualified service technician.

CODE	DIAGNOSIS	ACTION
FAULT E1	Room temperature is not within the working range of the unit.	Place unit in proper operating conditions.
FAULT E2	Faulty coils.	Contact SUNRISE TRADEX Customer Service.
FAULT E3	Frost inside the unit.	Wait for unit to defrost.
FAULT E4	Unit malfunctions.	Contact SUNRISE TRADEX Customer Service.

TECHNICAL SPECIFICATIONS

NOTE :

DATA MAY VARY, PLEASE REFER TO THE RATING LABEL ON THE BACK OF THE UNIT.

MODEL		**13-04543 (KY-36)**
Cooling Capacity		14,000 BTU/H
Heating Capacity		14,200 BTU/H
Dehumidifying Capacity		38L/day (65 pts)
Power Input	Cooling	1390 W
	Heating	1180 W
Air Flow Volume		480 CFM
Power Source		115V / 60Hz
Rated Current	Cooling	12.0A
	Heating	9.8A
Sound Pressure Level		<49 db(A)
Weight		36.3 Kg (80 lbs)
Dimensions		36.5(W)x56.8(D)x77.4(H)cm
		14.4”(W)x22.4”(D)x30.5”(H)
Refrigerant		R22

CONTACT INFORMATION

Contact SUNRISE TRADEX Customer Service for:
Replacement parts
Technical support
Warranty claims
Customer service

sunrise Tradex Corp.
www.sunrisetradex.com
3122, Bernard-Pilon
St-Mathieu-de-Beloeil, Qc, J3G 4S5
Tel. : (450) 536-2175 - Fax : (450) 536-9081
Toll free : 1 (800) 686-2175

WARRANTY

LIMITED WARRANTY

This portable air conditioner is covered by a warranty against defects in materials and workmanship, if used for the applications specified in this owner's manual, for a period of TWO (2) years from the date of original purchase in Canada.

Note : The internal compressor is covered by a 5-year limited warranty.

During the warranty period, if the portable air conditioner fails under normal use, SUNRISE TRADEX CORP. will, at its option, either repair the unit or replace it, free of charge, within a reasonable period of time after the portable air conditioner is returned.

As a condition to any warranty service obligation, the customer must present this warranty certificate along with the proof of purchase.

THIS WARRANTY DOES NOT COVER :

1. Damage, accidental or otherwise, to the portable air conditioner that are not caused by materials or workmanship defect.
2. Damage caused by misuse, tampering or failure to follow the operating and maintenance instructions provided in this owner's manual.
3. Damage to the finish of the unit enclosure or to other outer features caused by wear.
4. The filters.
5. Damage caused by repairs or modifications to the portable air conditioner made by any person not duly authorized by SUNRISE TRADEX CORP.
6. Insurance and freight costs for the warranty service.

ALL IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, ARE LIMITED TO A TWO YEAR (2) PERIOD COVERED BY THIS EXPRESS LIMITED WARRANTY. SUNRISE TRADEX CORP. DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES AND, IN NO EVENT, SHALL SUNRISE TRADEX CORP. LIABILITY EXCEEED THE RETAIL VALUE OF THE PORTABLE AIR CONDITIONER FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTY WITH RESPECT TO THIS PORTABLE AIR CONDITIONER.

Keep this owner's manual along with your proof of purchase in a safe place for future reference. You must provide proof of purchase for warranty service.

Enter the following information on your portable air conditioner; it will help you upon getting assistance or service if you ever need it. You will have then to provide the model and serial numbers of the portable air conditioner – these data are detailed on the rating plate of the unit.

Dealer name : _____

Address : _____

Model number: 13-04543 (KY-36)

Serial number : _____

Date of purchase : _____